

# HP Latex FS50 W Printer



Deliver stunning results with a superwide printer that scales as your business grows



\*Product image may differ from actual product

## STUNNING—Quality that drives high margins

- You can grow into higher-margin jobs with up to 30% wider gamut<sup>1</sup> at high speed—preserving media gloss, feel.
- Stand out with a wide range of signage and décor applications—thin films, vinyl, odourless<sup>2</sup> backlit textiles.
- Consistent colour and quality configurations across your global fleet with HP Configuration Center<sup>3</sup>.

## SCALABLE—As your business grows

- Integrate future enhancements with a scalable platform ready to meet evolving business needs.
- Meet tight turnarounds with speeds up to 89 m<sup>2</sup> (958 ft<sup>2</sup>) per hour<sup>4</sup> today.
- Minimise ink waste and streamline your workflow with auto printhead cleaning and an intuitive interface.
- Print remotely and monitor fleet with HP Live Production included in HP Professional Print Service Plan<sup>5</sup>.

## SUSTAINABLE—With environmental certifications

- This printer is built to last<sup>6</sup> thanks to its scalable design.
- Create a comfortable workspace—water-based inks enable odourless prints<sup>2</sup> and no hazardous air pollutants<sup>7</sup>.
- Stand out with an offering that meets environmental certifications like UL ECOLOGO<sup>8</sup> and UL GREENGUARD<sup>9</sup>.
- Contribute to the circular economy with HP Planet Partners<sup>10</sup> and PVC alternative media profile database<sup>11</sup>.

## Messaging Footnotes

<sup>1</sup>Based on testing commissioned by HP and performed by Venture Electronics Spain, comparing the gamuts of HP Latex Gen 4 inks with those of leading competitive alternatives using UV technology. Test performed under the same conditions in all printers measuring the ECI2002 target with the FD-9 spectrophotometer from Konica Minolta.

<sup>2</sup>Based on testing commissioned by HP and performed by Odournet and applicable to HP Latex Inks. Testing conducted according to VDI Guideline 3882 where 832 and 873 inks were characterized as “weak” in odour intensity and “neutral” for hedonic tone. There is a broad set of media with very different odour profiles. Some of the media can affect the odour performance of the final print.

<sup>3</sup>HP Learn’s free training content, HP Print Beat remote monitoring of production and analytics, HP PrintOS Mobile, and HP Configuration Center are available free of charge for all HP printers compatible with HP PrintOS. Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see <http://www.printos.com>.

<sup>4</sup>Based on internal HP testing. Outdoor mode 3-pass, 6-colour, 90%. While CMYK and Optimiser are duplicated with symmetrical double printheads, Overcoat, Light Magenta and Light Cyan rely on single printheads.

<sup>5</sup>HP PrintOS Live Production is available for subscribers of the HP Professional Print Services Plus Plan. Please consult your HP representative for information about availability and/or geographic coverage. Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see <http://www.printos.com>.

<sup>6</sup>Based on HP Large Format supplies Long Term Plan, at least 70% of printers installed, from the previous generation, are still in use in 2024. And on average printers in use are 6-7 years old and at least 50% of printers are > 6 years old.

<sup>7</sup>HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected.

<sup>8</sup>UL ECOLOGO<sup>®</sup> Certified HP 832, HP 872, HP 873, and 882, FS50 and FS60 printer series Latex Inks meet a range of stringent human health and environmental considerations. For certifications, see <http://www.ul.com/EL> and <http://www.ul.com/gg>.

<sup>9</sup>Applicable to HP Latex Inks. UL GREENGUARD Gold Certification to UL 2818 demonstrates that products are certified to UL’s GREENGUARD standards for low chemical emissions into indoor air during product usage. Unrestricted room size—full decorated room; 33.4 m<sup>2</sup> (360 ft<sup>2</sup>) in an office environment; 94.6 m<sup>2</sup> (1,018 ft<sup>2</sup>) in a classroom environment. For more information, visit <http://www.ul.com/gg> or <http://www.greenguard.org>. For certifications, see <http://www.greenguard.org>.

<sup>10</sup>Visit <http://www.hp.com/recycle> to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.

<sup>11</sup>HP applications experts have evaluated the catalog of media listed in the HP Media Locator based on internal criteria to identify those that provide alternative solutions with certain environmental benefits compared to the typical media within the same application type. The information in media locator is provided by the media substrate vendors. HP is not responsible for the veracity of the information from third-party companies published on the HP website. See <http://www.hp.com/go/mediasolutionslocator>.

For more information, please visit <http://www.hp.com/go/latex-fs50-series> Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at <https://kcc.hp.com/>



Datasheet

# Technical specifications

<b>Print</b>	
<b>Print speed</b>	121 m <sup>2</sup> /hr (2-pass); 89 m <sup>2</sup> /hr (3-pass); 69 m <sup>2</sup> /hr (4-pass); 49 m <sup>2</sup> /hr (6-pass); 38 m <sup>2</sup> /hr (8-pass); 29 m <sup>2</sup> /hr (10-pass); 54 m <sup>2</sup> /hr - White Spot (60%); 17 m <sup>2</sup> /hr - White Overflood (100%); 10 m <sup>2</sup> /hr - 3 Layers (60%); 3.3 m <sup>2</sup> /hr - 5 Layers
<b>Print resolution</b>	Up to 1200 x 1200 dpi
<b>Technology</b>	HP Latex Printing Technologies
<b>Ink types</b>	Water-based HP Latex Inks
<b>Ink cartridges</b>	8 (black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimiser, HP Latex Overcoat)
<b>Cartridge size</b>	5 L (colour) upgradeable to 10 L with B3SG0A
<b>Printheads</b>	8 (6 HP Latex Universal, 2 HP Latex Optimiser)
<b>Long-term print-to-print repeatability</b>	Maximum colour difference (95% of colours) ≤ 2 dE2000
<b>Media</b>	
<b>Applications</b>	Exhibition and event graphics; Decoration; Displays; Exterior signage; Indoor posters; Banners; Light boxes - film; POP/POS; Textile; Vehicle graphics; Wallpaper; Window graphics
<b>Handling</b>	Roll-to-roll, double-sided blockout, dual-roll (optional), roll-to-freefall (optional), ink collector (optional)
<b>Rolls</b>	Media rolls: 1 (2 with optional dual roll kit); Roll size: Up to 3.2 m (single roll); Up to 2 x 1.6 m (optional dual roll); Up to 2 x 1.53 m (optional jumbo dual roll); Maximum roll weight: Up to 160 kg (single roll); Up to 300 kg (with optional diverter roller); Up to 2 x 70 kg (with optional dual roll kit); Up to 2 x 200 kg (with optional jumbo dual roll kit); Maximum roll diameter: 30 cm (40 cm with optional diverter roller);
<b>Maximum media width</b>	3.2 m (single roll); 2 x 1.60 m (optional dual roll); 2 x 1.53 m (optional jumbo dual roll)
<b>Thickness</b>	Up to 0.4 mm (default); up to 2.0 mm (with custom carriage height setting)
<b>Media types</b>	Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas, synthetics, fabrics, mesh, textiles <sup>1</sup>
<b>Connectivity</b>	

<b>Interfaces</b>	Intel I210-T1 Gigabit Ethernet (1000Base-T)
<b>Dimensions (W x D x H)</b>	
<b>Product</b>	574 x 138 x 167 cm
<b>Shipping</b>	586 x 181 x 191 cm
<b>Weight</b>	
<b>Product</b>	1323 kg
<b>Shipping</b>	2110 kg
<b>Included</b>	
<b>What's in the box</b>	HP Latex FS50 W Printer, printheads, 126-in spindles (x2), HP Latex Cleaning Kit, HP Internal Print Server, touch monitor, documentation software, user manual, media edge holders, Original HP sample media, cleaning supplies, pneumatic gun, User Maintenance Kit
<b>Environmental ranges</b>	
<b>Operating temperature</b>	15 to 30°C
<b>Operating humidity</b>	20 to 70% RH (non-condensing)
<b>Acoustics</b>	
<b>Sound pressure</b>	Printing: 71 dB(A) (operating), 58 dB(A) (idle)
<b>Power</b>	
<b>Consumption</b>	12.13 kW (printing), 510 W (ready), 110 W (low power mode), 100 W (shutdown)
<b>Requirements</b>	Input voltage 200-240/380-415 V Delta/W/ye three-phase and PE; 50/60 Hz; 56/35 A
<b>Certification</b>	
<b>Safety</b>	IEC 62368-1 compliant; United States and Canada (CSA listed); EU (MD compliant, EN60204-1, EN12100, EN13849-1, EN1010-1); Ukraine (UA)
<b>Electromagnetic</b>	Compliant with Class A requirements: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
<b>Environmental</b>	WEEE, RoHS (EU, China, Ukraine), REACH, CE marking compliant
<b>Warranty</b>	One-year limited hardware warranty

## Ordering information

<b>Product</b>	
9T923C	HP Latex FS50 W Printer
<b>Accessories</b>	
3Y0K4A	HP Latex 2700/FS Ink Collector Kit
474X9A	HP Latex 2700/FS Jumbo Dual Roll Kit
474Y0A	HP Latex 2700/FS Ink Collector Foams Kit
4J0X0A	HP 126-in Dual Roll Kit
4R4W4A	HP 126-in Spindle
4R4W5A	HP Latex 126-in Roll Freefall Kit
4R4W7A	HP 126-in Diverter Roller
79D06A	HP Latex 2700/FS Edge Holder Kit
B3SG0A	HP Latex FS Series High Capacity Ink Upg
G1K80B	HP 126-in Dual Roll Spindle
L2E28A	HP Latex Jumbo Dual Roll Split Spindles
M2J33A	HP Latex In-Line Slitters
T4E58B	HP Latex Media Saver Kit
<b>Original HP printing supplies</b>	
8G4G4A	HP 883 5-liter Overcoat B Latex Ink Cartridge
G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimiser Latex Printhead
G0Z24A	HP 886 Latex Printhead
G0Z28A	HP 883 5-liter Cyan Latex Ink Cartridge
G0Z29A	HP 883 5-liter Magenta Latex Ink Cartridge
G0Z30A	HP 883 5-liter Yellow Latex Ink Cartridge
G0Z31A	HP 883 5-liter Black Latex Ink Cartridge
G0Z32A	HP 883 5-liter Light Cyan Latex Ink Cartridge
G0Z33A	HP 883 5-liter Light Magenta Latex Ink Cartridge
G0Z34A	HP 883 5-liter Optimiser Latex Ink Cartridge

G0Z35A	HP 883 5-liter Overcoat Latex Ink Cartridge
G0Z44A	HP 883 3-liter White Latex Ink Cartridge
Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit <a href="https://hp.com/go/OriginalHPInks">https://hp.com/go/OriginalHPInks</a>	
<b>Original HP large format printing materials</b>	
HP Photo-realistic Poster Paper	
HP Optimal Gloss Air GRP (REACH Compliant <sup>2</sup> )	
HP Removable Adhesive Fabric (REACH Compliant <sup>2</sup> )	
HP 15-oz Prime Double-sided Blockout Banner (REACH Compliant <sup>2</sup> )	
For the entire HP Large Format Printing Materials portfolio, please see <a href="http://HPLFMedia.com">HPLFMedia.com</a> .	
<b>Service and Support</b>	
<b>U95SKE</b> HP 2 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)	
<b>U95SLE</b> HP 3 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)	
<b>U95SME</b> HP 4 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)	
<b>U95SNE</b> HP 5 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)	
HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit <a href="http://www.hp.com/go/cpc">http://www.hp.com/go/cpc</a>	

## Specification Footnotes

<sup>1</sup> Performance may vary depending on media—for more information, see <http://www.hp.com/go/mediasolutionslocator>. For best results, use textiles that do not stretch. The optional ink collector is required for porous textiles.  
<sup>2</sup> This product does not contain substances listed as SVHC (155) per Annex XIV of the EU REACH directive published as of June 16, 2014 in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Declaration published at [HPPrintingProducts.com](http://HPPrintingProducts.com) and Consumable Supplies.

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